

Weekly Report

05/04/2015 - 05/10/2015

Jing XIA

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1 Summary

This week I mainly focus on the DataScanner2 project (the second phase of data inspection).

2 Projects

2.1 Project 1 - DataScanner2

DataScanner2: A system that integrates various data quality metrics, covering all quality metrics categories and providing a quality-aware (clustering, correlation, outliers, complex patterns, image quality, feature preservation) visualization.

Current progress: in implementing Scagnostics, done all 7 metric features but in debugging.

2.2 Project 2 - NBA Game Visualization

A schedule is made for this project. But because of Lao Tianyi's sickness, it's currently one week behind the schedule.

2.3 Project 3 - FlowTracker

We start this project by reimplementing the "US Congress History" chart from XKCD (<http://xkcd.com/1127/>). Because the original dataset is not released explicitly, Guan Huihua and I located the original DW-NOMINATE dataset from VoteView (<http://voteview.com>). It still takes some efforts to extract corresponding data from the dataset and Guan is working on that.

3 Paper Reading

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4 Miscellaneous

1. We had the first group discussion this week. We reviewed our projects one by one.

5 To Do List

1. DataScanner2 — complete Scagnostics implementation.
2. DataScanner2 — start implementing other projects.